

**YOUR VOTE IS IMPORTANT
VOTE TODAY IN ONE OF TWO WAYS**

**POZEN INC.
1414 RALEIGH ROAD
SUITE 400
CHAPEL HILL, NC 27517**

VOTE BY INTERNET - www.proxyvote.com

Use the Internet to transmit your voting instructions and for electronic delivery of information up until 11:59 p.m. Eastern Time the day before the cut-off date or meeting date. Have your proxy card in hand when you access the web site and follow the instructions to obtain your records and to create an electronic voting instruction form.

ELECTRONIC DELIVERY OF FUTURE PROXY MATERIALS

If you would like to reduce the costs incurred by our company in mailing proxy materials, you can consent to receiving all future proxy statements, proxy cards and annual reports electronically via e-mail or the Internet. To sign up for electronic delivery, please follow the instructions above to vote using the Internet and, when prompted, indicate that you agree to receive or access proxy materials electronically in future years.

VOTE BY MAIL

Mark, sign and date your proxy card and return it in the postage-paid envelope we have provided or return it to Vote Processing, c/o Broadridge, 51 Mercedes Way, Edgewood, NY 11717.

You may vote by Internet 24 hours a day, 7 days a week.

Your Internet vote authorizes the named proxies to vote in the same manner as if you marked, signed and returned your proxy card.

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK AS FOLLOWS:

M35352-P09664

KEEP THIS PORTION FOR YOUR RECORDS
DETACH AND RETURN THIS PORTION ONLY

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED.

POZEN INC.

**THE BOARD OF DIRECTORS RECOMMENDS A VOTE
"FOR" THE FOLLOWING PROPOSALS:**

1. To elect the following nominees to serve as Class II Directors:

For All Withhold For All Except

☐ ☐ ☐

To withhold authority to vote for any individual nominee(s), mark "For All Except" and write the number(s) of the nominee(s) on the line below.

Nominees:

- 01) Arthur S. Kirsch
02) Kenneth B. Lee, Jr.
03) Martin Nicklasson

2. To approve, on an advisory basis, the compensation of POZEN Inc.'s named executive officers disclosed pursuant to Item 402 of Regulation S-K.

For Against Abstain

☐ ☐ ☐

The Board of Directors recommends you vote 3 years on the following proposal:

3 Years 2 Years 1 Year Abstain

3. To approve, on an advisory basis, that the frequency with which the stockholders of POZEN Inc. shall have an advisory vote on executive compensation, as disclosed pursuant to the compensation disclosure rules of the SEC.

☐ ☐ ☐ ☐

The Board of Directors recommends you vote FOR the following proposal:

For Against Abstain

4. To ratify the selection of Ernst & Young LLP as the registered independent public accountants of the Company for the Company's fiscal year ending December 31, 2011.

☐ ☐ ☐

MARK HERE FOR ADDRESS CHANGES/COMMENTS AND NOTE ON REVERSE SIDE ☐

MARK HERE IF YOU PLAN TO ATTEND THE MEETING

☐ ☐
Yes No

Please sign and return this Proxy Card so that the shares can be represented at the meeting. If signing for a corporation or partnership or as agent, attorney or fiduciary, indicate the capacity in which you are signing. If you vote by ballot, such vote will supersede this proxy.

Signature [PLEASE SIGN WITHIN BOX] Date

Signature (Joint Owners) Date

For Directions to the Annual Meeting, please refer to the "About Us" section of our website at www.pozen.com.

PLEASE RETURN THIS CARD PROMPTLY IN THE ENCLOSED, POSTAGE-PAID ENVELOPE OR OTHERWISE TO POZEN INC., C/O BROADRIDGE, 51 MERCEDES WAY, EDGEWOOD, NY 11717, SO THAT THE SHARES CAN BE REPRESENTED AT THE MEETING.

Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting:

The proxy statement and annual report of POZEN are available at: <https://materials.proxyvote.com/73941U>

DETACH HERE

M35353-P09664

POZEN Inc.
COMMON STOCK

PROXY CARD

This Proxy is Solicited on Behalf of the Board of Directors for the Annual Meeting of Stockholders on June 9, 2011.

YOUR VOTE IS IMPORTANT! PLEASE SIGN AND DATE ON THE REVERSE SIDE OF THIS CARD.

PROXY

The undersigned, revoking all prior proxies, hereby appoints *William L. Hodges* and *John E. Barnhardt*, and each of them, with full power of substitution, proxies to appear on behalf of the undersigned and to vote all shares of Common Stock of the undersigned at the Annual Meeting of Stockholders to be held at 1414 Raleigh Road, Suite 210, Chapel Hill, North Carolina 27517, on Thursday, June 9, 2011 at 10:00 a.m. local time, and at any adjournments thereof, subject to any directions indicated on the reverse side of this card, upon the matters set forth in the Notice of Annual Meeting of Stockholders and Proxy Statement dated April 26, 2011, a copy of which has been received by the undersigned. The proxies are further authorized to vote, in their discretion, upon such other business as may properly come before the meeting or any adjournments thereof.

If this Proxy is properly executed and returned, and not revoked, the shares it represents will be voted at the meeting in accordance with the choices specified on this proxy card. If no choice is specified, the shares will be voted by the proxies FOR the election of the three nominees listed in Proposal 1 to serve as Class II directors on the Board of Directors, FOR Proposal 2 to approve the advisory (non-binding) vote on executive compensation, FOR Proposal 3 to approve the option of once every three years as the frequency with which stockholders are provided an advisory vote on executive compensation, FOR Proposal 4 to ratify the appointment of Ernst & Young LLP as POZEN Inc.'s independent auditors to audit POZEN Inc.'s financial statements for the fiscal year ending December 31, 2011, and at their discretion on any other matter that may properly come before the meeting.

Address Changes/Comments: _____

(If you noted any Address Changes/Comments above, please mark corresponding box on the reverse side.)

CONTINUED AND TO BE SIGNED ON REVERSE SIDE

SEE REVERSE SIDE

SEE REVERSE SIDE